

L. W. MERRIAM.
Shingling Brackets.

No. 138,425.

Patented April 29, 1873.

Fig. 1.

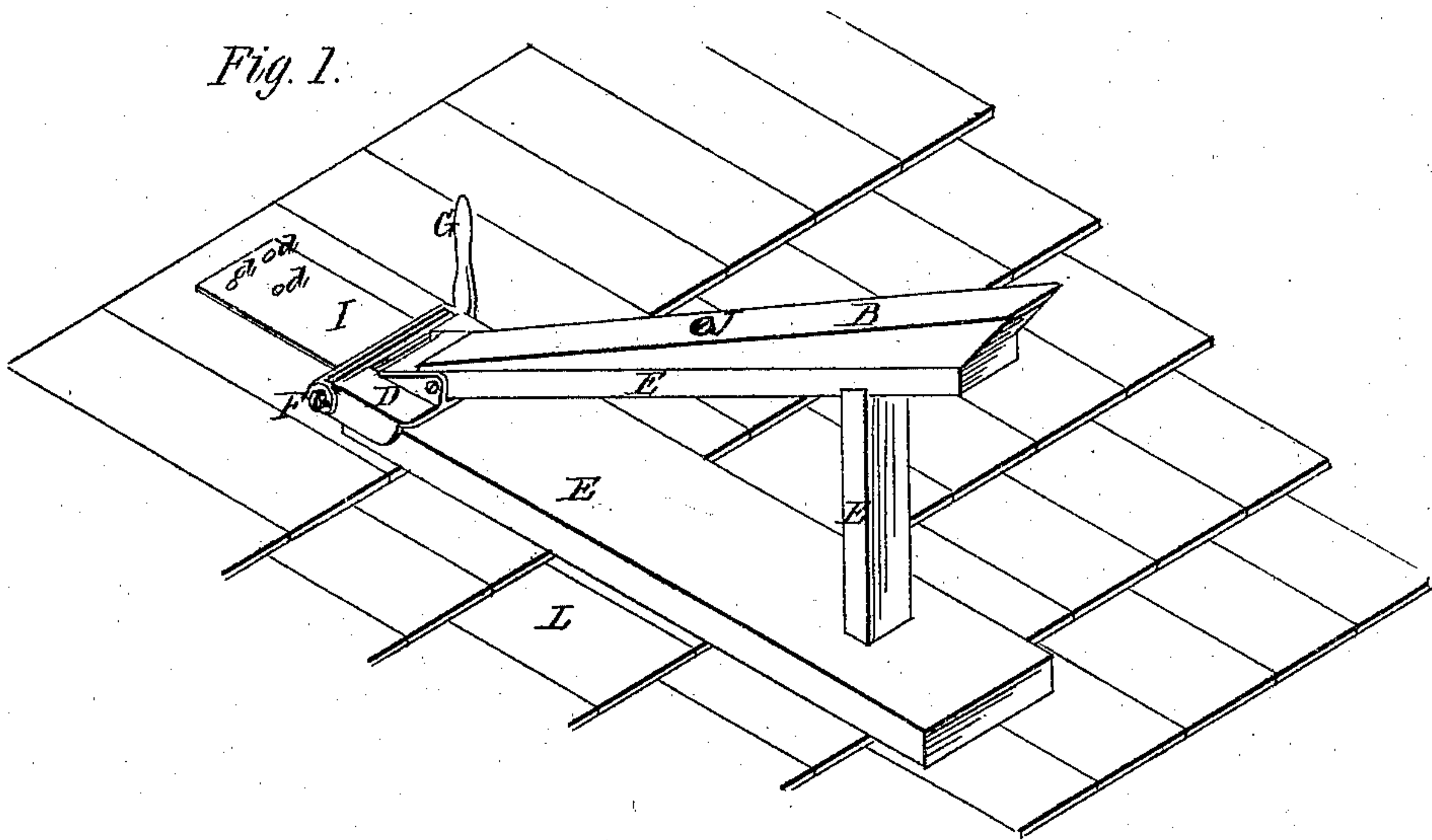


Fig. 2.

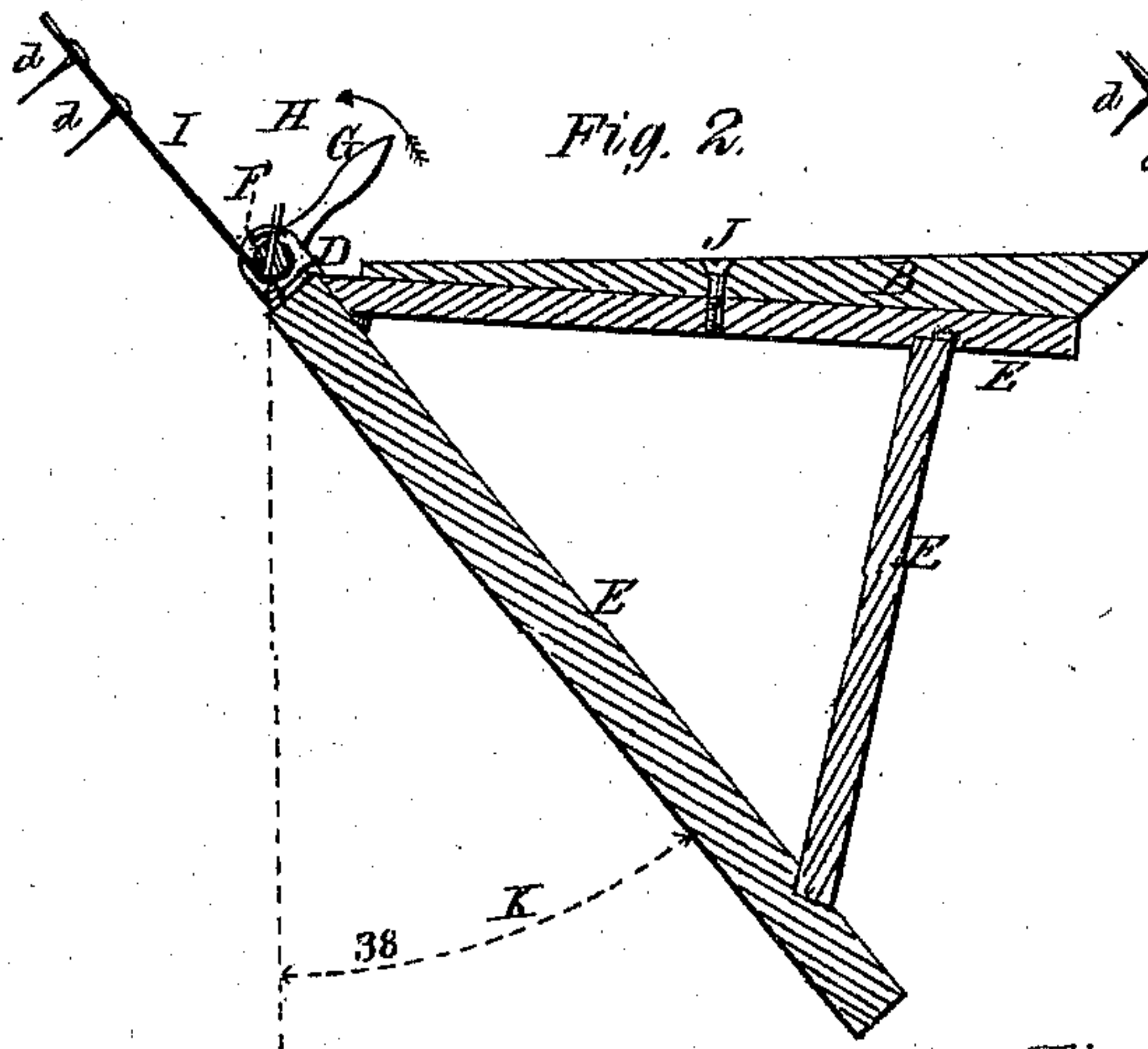


Fig. 3.

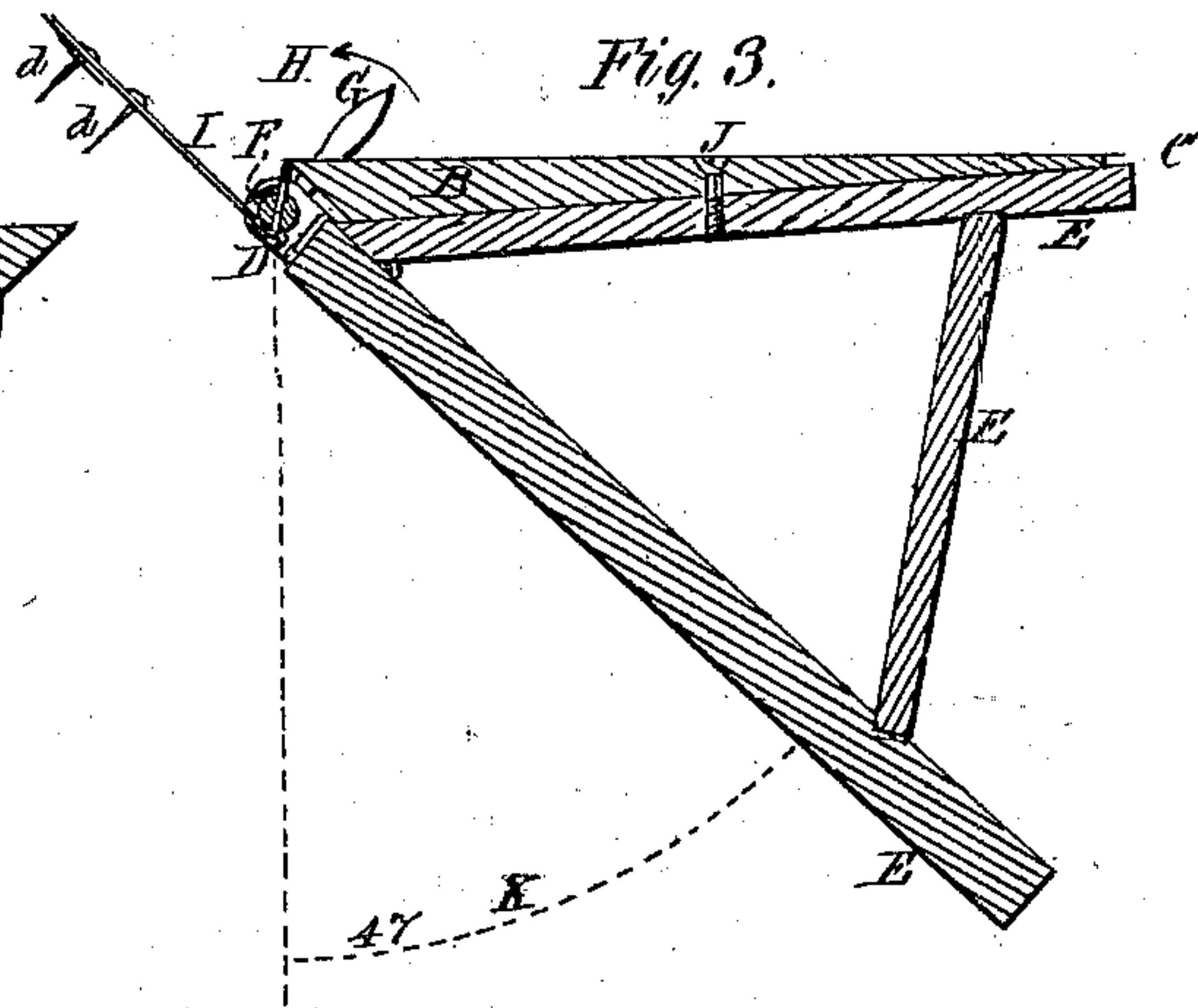
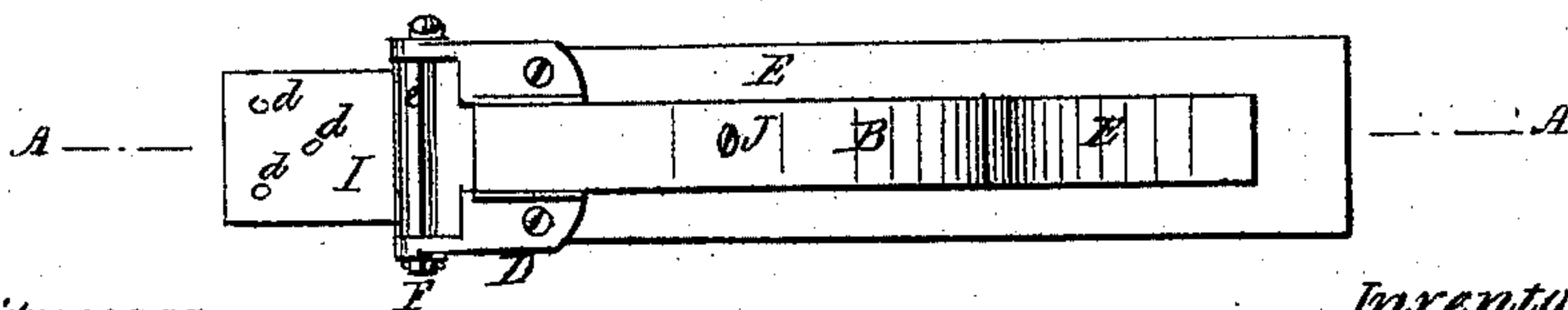


Fig. 4.



Witnesses

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LYMAN W. MERRIAM, OF FITCHBURG, MASSACHUSETTS.

IMPROVEMENT IN SHINGLING-BRACKETS.

Specification forming part of Letters Patent No. 138,425, dated April 29, 1873; application filed August 31, 1871.

To all whom it may concern:

Be it known that I, LYMAN W. MERRIAM, of Fitchburg, in the county of Worcester and State of Massachusetts, have invented certain Improvements in Roofing-Brackets such as are used upon the roofs of houses during the process of shingling or slating, of which the following is a specification:

This invention is intended as an improvement upon a roofing-bracket upon which Letters Patent were granted to me November 1, 1870, said bracket being only adapted to the laying of wooden shingles, whereas in the present invention my object has been to construct a roofing-bracket which shall be adapted to the laying of either wood or slate for roofing purposes. It is, however, more especially adapted to the laying of slate.

In the method of slating now in use the slater, after beginning at the lower part of the roof and laying three or four courses of slate, proceeds to nail a narrow piece of thin plate metal, which is some three or four inches wide by some eight or ten inches long, above and extending down upon the last course of slate. To the lower end of this metallic strip he attaches, by nailing, any suitable form of bracket, upon which he afterward places boards or planks to support himself upon the roof during the process of laying the after courses of slate.

The nature of my invention consists in using this same form of metallic strip attached to the roof in the same manner as described, but, instead of being nailed to the said bracket, as described, it is attached to and held firmly and securely by a frictional binder without the use of nails, screws, or pins, as hereinafter described.

Description of the Accompanying Drawing.

Figure 1 is a perspective view of a portion of a roof, L, upon which is represented a roofing-bracket which embodies my invention. Figs. 2 and 3 are vertical transverse sections of the same cut upon the line A, Fig. 4, and differing from each other only in the position

of the wedge-shaped pieces B. Fig. 4 is a top view of the bracket on the line C, Figs. 2 and 3.

General Description.

The first part of my invention consists of the hanger-piece D composed of any suitable metal, to which may be attached any suitable frame-work or bracket, such as E. In the top part of this metallic hanger is a shaft, F, having a radial slot, *e*, through its center, and attached to its end is a lever, G, which may be revolved in the direction of the arrows H.

The use of this arrangement is as follows: The metallic strip I, which is composed of thin plate-metal, is temporarily nailed to the roof in the manner represented at *d d d*, and is then ready to be attached to the hanger D, which is done by passing the lower end of the plate I through the slot *e* in the shaft F and revolving the lever G in the direction of either of the arrows H, by which movement the plate becomes bent and the friction between the pieces I and F will be found to be sufficient to sustain the bracket and such weights as may be put upon it for the use as set forth.

The second part of my invention relates to a wedge-shaped piece, B, which is made to revolve upon the pivot J, and its use is to adapt the bracket to roofs of different angles of pitch, as shown at K, in order that the top part of the wedge B may always coincide, or nearly so, with the line or level plane C.

Having thus described my invention, I claim—

1. The rotary slotted binder, constructed substantially as described, for attaching a roofing-bracket to a roof by means of a metallic strip, in the manner specified.

2. The wedge-shaped piece B, in combination with the frame of a roofing-bracket, for the purpose specified.

LYMAN W. MERRIAM.

Witnesses:

H. J. COLBURN,
FRED. FOSDICK.